



## Figure 1 Nucleotide Sequence and predicted protein for HLTDG74

		10		٠.				36	)						56			<b>.</b> .		_
-88	GTTGCT	rctgg	GCA	GCC/	AAGT	ΠG	GCA	TAT	rgg	AAG	CTT	Ш	rcco	GGG	דכו	rgg/	AGG/	AGG	ST-Z	9
		70						96	9						110					
-28	CCCTGCT	пст	CCT	ACA	GCC	TT.	CCG	GGC	ATG	GCC	TGG	CTO	GGG	3GC(	ภา	iCT(	CCA	CGT	CT	31
-8								Þ	4 .	A	W	L	G	A	5	L	н	٧	W	11
		130						150	9						179					
32	GGGGTTG	GCTA	ATG	стс	GGC	AGC	TGC	CTC	CTG	GCC	AGA	GCC	CCAC	GCT(	GA7	ΠC	TGA	TGG	CA	91
12	G W	L	M I	L (	G S	5	C	LI	L .	A	R	A	Q	L	D	S	D	G	T	31
		190						210	9						230	9				
92	CCATCAG	CTATA	GAG	GAG	CAG	ATT	GTC	cm	GTG	CTG	AAA	GC	GAA	AGT/	ACA	ATG	TGA	ACT	CA	151
32	IT	I	E	E (	Q :	Ī	٧	L '	V	L	K	A	K	٧	Q	C	Ε	L	N	51
		250						27	9						290					
152	ACATCA	CAGCT	CAA	стс	CAG	GAG	GGA	GAA	GGT	AAT	TGI	11	כככ	TGA	ATG	GGA	TGG	ACT	CA	211
52	IT	A	Q	L	Q I	E	G	E	G	N	C	F	P	E	W	D	G	L	I	71
		310						33	a						35	0				
212	माजा	ההככר	AGA	GGA	ACA	σια	GGG	AAA	ATA	TC	GCT	GT	TCC	ATG	ccc	TCC	TTA	TAT	π	271
72	C W	Р	R	G	Τ '	٧	G	K	I.	S	A	٧	P	C	Ρ	Р	Y	I	Y	91
		270						39	a						41	a		:		
272	ATGACT	370 TCAAC	CAT	ΔΑΑ	GGA	எா	:GCT	ΠĪĊ	ĊGA	CAC	TG	ΓΑΑ	ccc	CAA			ATG	GGA	TT	331
92	D F	N	Н	K	G	V	A	F	R	Н	C	N	P	N	G	T	W	D	F	111
		430						45	<b>a</b>						47	a				
332	TTATGC	430 4046	TT A	ΔΔΤ	ΔΔΔ	ΔζΔ	TGO			TAT	пс	٩GA	стG	CCT			דכו	GCA	ιGC	391
112	M H	S	Ĺ	N	K	T	W	A	N	Y	S	D	C	L	R	F	L	Q	P	131
								F4	^						53	•				
392	CAGATA	490 TCAGO	ATA	GGA	AAG	CAA	GA	51 1110	ש דהד	ΓGΔ	ACG	сст	CTA	TGT			TAC	ะเต	TG	451
132	DI	-5	Ï	G	K	Q	E	F	c	Ε	R	L	Υ	٧	M	Y	T	٧	G	151
															59					
450	GCTACT	550 CCAT	7/7	-11	ccs	<del>T</del> C(		57 6667	.C.I.(	ייני	TAT	זכד	·CAT	ΤΔϽ			ιст	TCA	GAC	511
452 152	Y S	Ĭ	S	F	G	Š	Ĺ	A	ν̈́	A	Ĩ	Ľ	I	I	Ğ	Υ	F	R	R	171
			_																	
-4-	GATTGC	610	~ ^ ~			**	ra <del>T</del>	63 CCAC	90 *AT/	SC A	<del>- 11</del>	ATT	761	CTC	65		rcc	TGA	GAG	571
512 172	GATIGE L H	AIIG	T	R	N N	Y Y	I	H	M	H	L	F	v	S	F	M	Ĺ	R	A	191
116	L 11		•	••	••	•	_				_									
		670						69	9		<del>-</del>	<b>T</b> C •		TA ~ ^		LØ Faa:	AGC	٧٥٠	TGG	631
572	CTACAA	_			CAAA K	IGA( D	LAG	AGTA V	V 1	LCA H	IGC	H	LCAI T	אטנו ה	IAU! V	K	uuu F	nuc L	E	211
192	Ť S	. 1	г	٧	^	U	_	•	•	"		••	•	,	•		-	_	-	
												_								

325800-458

FIGURE 1 1/3

والوا

COPSTROE DIEST

compand campo

632	AGT	יכנ	TA	30 ATA	AT(	CAC	GAT	rga(	CCC/ P	ACA	50 AAA'	ודַנּ	CAT	ΓGA(	GGC/	AAC	770 TTC	rGT	GGA(	CAA/ K	AT S	691 231
212			79	aa		•				8:	10						830	9				
692 232	CAC/ Q	LAAT Y	AT/	ATC I	GGG	TG( C	K K	I I	TGCT A	rgt V	TGT V	GAT M	GTT F	I	TTA( Y	F	CCT(	GGC A	TAC/ T	AAA1 N	Τ. Υ	751 251
752	ATT	<b>1</b> 11	ree.	50 ATC	:ct	GTC	GGA/	\GG	TCT	CTĀ	70 CCT	GCA	TAA <sup>-</sup>	гст	CAT	cπ	890 TGT	GGC	ıŢι	сŢТ	щ	811
252	Ŷ	Y		I 10	L	٧	E	G	L		L 30	Н	N	L	Ι	F	950		r	۲	5	271
812 272	CGG/ D	AC/	cc	ΔΔΔ	Y Y	CT( L	STG( W	GGG	CTT( F	CAT	cm	GAT I	AGG G	CTG W	GGG G	GTT F	TCC	AGC.	AGC/ A	ATT F	TG V	871 291
872	TTG	CAC	ťΔ.	70 TG0	ige	េច	GGC/	ACG.	AGC	AAC	90 TCT	GGC	TGA	TGC	GAG	GTG	101 CTG	GGA	ACT	TAG	TG.	931
292	A	,	۱ ۱	W	A	٧	A	R	A	T	L	A	D	A.	R	C	W	Ε	L	S	A	311
932 312	сто	GA(	10: SAC	ΔΤ	EAA(	STG(	GAT	ITA'	TCA Q	10 AGC A	ACC	GAT T	ci i	AGC A	AGC A	TAT	107 TGG G	GCT	GAA N	TTT F	TA I	991 331
312			10	90					-	11	10						113	0				
992 332	ΠC L	TG	TT:	CT( L	N SAA	TAC	GGT V	TAG R	AGT V	TCT L	AGC A	TAC	CAA K	AAT I	CTG W	GGA E	GAC T	CAA N	TGC A	AGT . V	TG G	1051 351
1052	GGC	AT(	11 GAC	AC	<b>L</b> AG	GAA	GCA	ATA	CAG	11 GAA	ACT	GGC	CAA	ATC	GAC	ACT	119 GGT	CCT	GGT	יככד יככד	AG	1111
352	Н	1	)	T	R	K	Q	Y	R	K	L	A	K	S	T	L	V 125	L	V	L	V	371
1112	TCT F	11	CCA	10 G v	GCA	TTA	CAT	CGT V	GTT F	car	30 GTG C	וככו	GCC P	TCA H	יכדכ S	CTI F	CAC	TGG	GCT L	CGG	GT W	1171 391
		·	17	70						12	90						131	.0				4334
1172 392	GGG E	AG	ATC I	CG( R	CAT M	GCA H	CTG C	TGA E	GCT L	F	F	rca/ N	S S	F	TCA Q	G G	ភាព F	F	V	S	I	1231 411
1232	TCA	TC	TAC	30 TG	TA	CTG	CAA	TGG	AGA	േ	50 TC/	<b>AGG</b> (	CAGA	เดิ	ΓGΑ/	\GA/	137 AGA7	rgte	GGA(	जट	ज	1291
412	Ī	•	Y	C	Y	C	N	G	E	٧	Q	A	E	٧	K	K	М	W	Š	R	W	431
			CTC		CGT		CTG	GAA	MAG	GĀC	H10 CAC	CGC	CATO	TG(	SCA(	GCC(	143 GCA( R	SAT(	)     	GCT(	CAG · V	1351 451
	N		14	50						14	170						149	90				
1352 452			ACC T	AC	CGT	GAC T	GCA H	CAC S	CAC T	CAC	GCA	GCC/ Q	AGT( S	CAC/ Q	AGG V	TGG A	CGG( A	CAG A	CAC. H	ACG(	CAT W	1411 471
			15	10			7 -	~_	01	1!	530	J 5	Ý				15	50				
							<i>ه</i> ک	<i>t</i>	80	ט <i>ו</i> 1	2	ر <sub>ا</sub>	0 <del>5)</del>			*			<u>)</u>	با		
					_		م ر .	E		,			n /	<b>'</b> >					·O	<i>)</i> }	)	



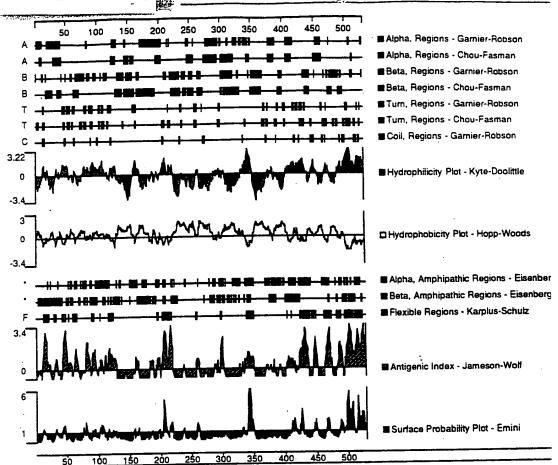
1412 472		CTT L			GGC. A	AAA K	GCT L	GCC P	AAG R	ATC S	GCC P	AGC A	AGA D	CAG S	CCT L	GAC T	AGC A	T	ATC.	AC L	1471 491
		1	.570						15	90			<b>-</b> cc			161		ctc	CAC	C A	1531
1472	TTT	ACCT	GCC			TGG	AGT	AAC	TCA	GAG	CAG	GAC	IGC	CIC	ALA	CAC	L	CIC	T	אט	511
492	Y	L	Α	M	S	G	٧	T	Q	2	R	ı	A	2.	n	•	L	3	'	r.	211
		1	.630	ı					16	50						167					
1532	GGAG	GCAĀ	CAA	GGA	AGA	TAG	TGG	GAĞ	GCA	GAC	<b>AG</b> A	TGA	TAT	TCT	AAT	GGA	IGAA	GCC	πο	CA	1591
512			K		D	S	G	R	. Q	R	D	D	I	L	M	Ε	K	P	S	R	531
	_																				
		1	690	)					17	10		<del>-</del> -				173				_	4.004
1592	GGC	CTAT	<b>GGA</b>	ATC	TAA	CCC	AGA	CAC	TGA	AGC	SATO	SACA	MGG	AGA	MAC	TGA	AGGA	TGT	ICI	CI	1651
532	Р	M	Ε	S	N	Ρ	D	T	E	G											541
																470	10				
		1	L750	)					17	70						179		CAC	ACC	cc	1711
1652	GAA'	TGG/	ACAT	GTG	TGG	CTG	ACI	ПС	AIG	166	- 160	31 CC	LAA I	uul	. 1 60	3110	וטונ	UAU	MUU	uc	71.77
		_							40	30						185	50				
1712			1810	) 		<b>T</b> CC	<del></del> ,	- 4	.V.C.V	) A A I	ccm	rca/	LAA	TC.	\CT			TTA	CTI	ΔΔ	1771
1712	116	GCIC	JA I A	icic	LIA	1100	. 1 10	JAUC	.MC	•••	uuc		~			•~~					
			1876						15	390						19:	10				
1772	TAA	TAG	LO/ C	TAC	ייי	cci	TG	ΔΔΤΠ	าดดัง	TC	CTG	TAA	ATAC	TA	ACG/	ACA	TGA	TAA	GC/	AG	1831
1//2	IAA	IAG								• • •											
			1936	<b>a</b>					19	950						19					
1832	TGT	CAA	TGG/	AGT/	\GTT	TAT	TA	сст	CT	۱	GGC	ATC/	AAG	П	TCC	TCT	AAA'	ITA/	<b>NTG</b>	TAT	1891
1024								٠													
				199															:		4044
1892	GGT	ATT	TGCT	CTO	ITG/	TT(	H)	CA													1914

325800-458 FIGURE 1 3/3



3010





325800-458 FIGURE 2 1/1

و أن ١

High Probability Readi -: Score P(N-

WARNING: Descriptions of 49 database sequences were not reported due to the limiting value of parameter V = 10.

>gp!M74445!OPOPTHR\_1 parathyroid hormone receptor [Didelphis virginiana] Length = 585

Plus Strand HSPs:

```
Score = 597 (274.6 \text{ bits}), Expect = 8.2e-204, Sum P(6) = 8.2e-204
Identities = 108/172 (62%), Positives = 136/172 (79%), Frame = +3
```

	TOCHICE		
₽ (†	Query:		IMODDPQNSIEATSVDKSQYIGCKIAVVMFIYFLATNYYWILVEGLYLHNLIFVAFFSDT 908
TU LU	Sbjct:	253	ITEFELRAFTEPPPADKAGFVGCRVAVTVFLYFLTTNYYWILVEGLYLHSLIFMAFFSEK 312
	Query:		KYLWGFILIGWGFPAAFVAAWAVARATLADARCWELSAGDIKWIYQAPILAAIGLNFILF 1088 KYLWGF L GWG PA FVA W RATLA+ CW+LS+G+ KWI Q PILAAI +NFILF
(fi (Q	Sbjct:	313	KYLWGF L GWG PA PAVEVAVWVTVRATLANTECWDLSSGNKKWIIQVPILAAIVVNFILF 372
u D	Query:	-	LNTVRVLATKIWETNAVGHDTRKQYRKLAKSTLVLVLVFGVHYIVFVCLPHS 1244 +N +RVLATK+ ETNA DTR+QYRKL KSTLVL+ +FGVHYIVF+ P++
te# jui			INIIRVLATKLRETNAGRCDTRQQYRKLLKSTLVLMPLFGVHYIVFMATPYT 424
N N	Score Identi	= 284 ties :	(130.6 bits), Expect = 8.2e-204, Sum P(6) = 8.2e-204 = 42/70 (60%), Positives = 55/70 (78%), Frame = +3
<b>√</b> D			446

267 EGNCFPEWDGLICWPRGTVGKISAVPCPPYIYDFNHKGVAFRHCNPNGTWDFMHSLNKTW 4 +G C PEWD ++CWP G GK+ AVPCP YIYDFNHKG A+R C+ NG+W+ + N+TW Ouery: 102 DGFCLPEWDNIVCWPAGVPGKVVAVPCPDYIYDFNHKGRAYRRCDSNGSWELVPGNNRTW 161 Sbjct:

447 ANYSDCLRFL 476 Query: ANYS+C++FL 162 ANYSECVKFL 171 Sbjct:

Score = 279 (128.3 bits), Expect = 8.2e-204, Sum P(6) = 8.2e-204 Identities = 51/81 (62%), Positives = 67/81 (82%), Frame = +3

498 KQEFCERLYVMYTVGYSISFGSLAVAILIIGYFRRLHCTRNYIHMHLFVSFMLRATSIFV 677 ++E +RL ++YTVGYSIS GSL VA+LI+GYFRRLHCTRNYIHMHLFVSFMLRA SIF+ Query: 177 EREVFDRLGMIYTVGYSISLGSLTVAVLILGYFRRLHCTRNYIHMHLFVSFMLRAVSIFI 236 Sbjct:

678 KDRVVHAHIGVKELESLIMOD 740 Query: KD V+++ + E+E + ++ 237 KDAVLYSGVSTDEIERITEEE 257 Sbjct:

Score = 232 (106.7 bits), Expect = 8.2e-204, Sum P(6) = 8.2e-204Identities = 38/59 (64%), Positives = 50/59 (84%), Frame = +3

1248 TGLGWEIRMHCELFFNSFQGFFVSIIYCYCNGEVQAEVKRMWSRWNLSVDWKRTPPCGS 1424

GFFV+IIYC+CNGEVQAE+KK W L++D+KF GS GFFVAIIYCFCNGEVQAEIKKSWE LALDFKRKARSGS 485

Score = 72 (33.1 bits), Expect = 8.2e-204, Sum P(6) = 8.2e-204 Identities = 16/37 (43%), Positives = 23/37 (62%), Frame = +3

159 AQLDSDGTITIEEQIVLVLKAKVQCELNITAQLQEGE 269
A +D+D IT EEQI+L+ A+ QCE + L+ E
24 ALVDADDVITKEEQIILLRNAQAQCEQRLKEVLRVPE 60 Query:

Sbjct:

Score = 39 (17.9 bits), Expect = 8.2e-204, Sum P(6) = 8.2e-204 Identities = 9/23 (39%), Positives = 12/23 (52%), Frame = +2

Query: 1508 ISGKAAKIASRQPDSHITLPGYV 1576 +S + A A + H LPGYV Sbjct: 512 LSPRLAPGAGASANGHHQLPGYV 534

Ü

> 2/2 325800-458 FIGURE